

USA Patent Application

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COMBINATION INSTRUMENT
FOR A MOTOR VEHICLE
Priority: German Patent Application
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Combination instrument for a motor vehicle

ABSTRACT OF THE DISCLOSURE

In a combination instrument for a motor vehicle, in particular for a utility vehicle or a bus, having an LC display (1), a light-guiding plate (4) is provided, into which ambient light is injected from inside or from outside the motor vehicle, in which the injected ambient light is guided by total reflection at the side of the LC display (1) facing away from the viewer and which has, at the side of the LC display (1) facing away from the viewer, a coating (11) or a structure (13) for extracting the ambient light out of the light-guiding plate (4) there and for injecting the ambient light into the LC display (1). This measure backlights the LC display (1), leading to a significant increase in the contrast for information displayed on the LC display (1).

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Combination instrument for a motor vehicle

Abstract

It is proposed for a combination instrument for a motor vehicle, in particular for a utility vehicle or a bus, having an LC display (1) that a light-guiding plate (4) is provided,

- into which ambient light is injected from inside or from outside the motor vehicle,
- in which the injected ambient light is guided by means of total reflection at the side of the LC display (1) facing away from the viewer, and
- which has, at the side of the LC display (1) facing away from the viewer, a coating (11) or a structure (13) for extracting the ambient light out of the light-guiding plate (4) there and for injecting the ambient light into the LC display (1).

This measure backlights the LC display (1), leading to a significant increase in the contrast for information displayed on the LC display (1).

Figure 3

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